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April 15, 2004

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Art Unit 1632 __

Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450

Re:

U.S. Utility Patent Application

Application No. 09/557,907; Filed: April 21, 2000

Methods for Treating Cancer Using Cytokine-Expressing

Polynucleotides (as amended)

Inventors:

HORTON et al.

Our Ref:

1530.0060004/EKS/EJH/PAC

Sir:

Transmitted herewith for appropriate action are the following documents:

- 1. Fourth Supplemental Information Disclosure Statement;
- 2. Six pages of Form PTO-1449 listing 17 documents;
- 3. Copies of the 17 documents as listed on Form PTO-1449 (AL4-AM4, AT42, AR43-AT43, AR44-AT44, AR45-AT45, AR46-AT46, AR47 and AS47); and
- 4. Return postcard.

It is respectfully requested that the attached postcard be stamped with the date of filing of these documents, and that it be returned to our courier. In the event that extensions of time are necessary to prevent abandonment of this patent application, then such extensions of time are hereby petitioned.

Sterne, Kessler, Goldstein & Fox PLLC. : 1100 New York Avenue, NW: Washington, DC 20005: 202.371.2600 f 202.371.2540: www.skgf.com

Commissioner for Patents April 15, 2004 Page 2

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX, P.L.L.C.

Elizabeth J. Haanes, Ph.D. Attorney for Applicants Registration No. 42,613

EJH/PAC/dbj

Enclosures

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Sterne, Kessler, Goldstein & Fox PLLC. : 1100 New York Avenue, NW : Washington, DC 20005 : 202.371.2600 f 202.371.2540 : www.skgf.com



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Horton et al.

Appl. No.: 09/557,907

Filed: April 21, 2000

For: Methods for Treating Cancer Using Cytokine-Expressing

Polynucleotides

Confirmation No.: 9397

Art Unit: 1632

Examiner: Wilson, Michael C.

Atty. Docket: 1530.0060004/EKS/EJH/PAC

Fourth Supplemental Information Disclosure Statement

Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450

Sir:

Listed on accompanying Form PTO-1449 are documents that may be considered material to the examination of this application, in compliance with the duty of disclosure requirements of 37 C.F.R. §§ 1.56, 1.97 and 1.98. A copy of each document is also provided.

The numbering on this Fourth Supplemental Information Disclosure Statement is a continuation of the numbering in Applicants' Third Supplemental Information Disclosure Statement filed February 27, 2004, and Applicants' Information Disclosure Statement filed July 20, 2000, in connection with the above-captioned application.

Where the publication date of a listed document does not provide a month of publication, the year of publication of the listed document is sufficiently earlier than the effective U.S. filing date and any foreign priority date so that the month of publication is not in issue. Applicants have listed publication dates on the attached PTO-1449 based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated.

Horton *et al*. Appl. No. 09/557,907

- 2 -

Applicants reserve the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered.

This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent application does not exist. The Examiner is specifically requested not to rely solely on the material submitted herewith.

This Fourth Supplemental Information Disclosure Statement is being filed before the mailing of a first Office Action after the filing of a request for continued examination under 37 C.F.R. § 1.114. No statement or fee is required.

It is respectfully requested that the Examiner initial and return a copy of the enclosed PTO-1449, and indicate in the official file wrapper of this patent application that the documents have been considered.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Elizabeth J. Haanes, Ph.D. Attorney for Applicants

Registration No. 42,613

Date: Opul 15, 2004

1100 New York Avenue, N.W. Washington, D.C. 20005-3934 (202) 371-2600

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							Page 1 of 6
				ATTY. DOCKET NO. 1530.0060004/EKS/EJH/I		ICATION NO 7,907	
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	AM4	WO 99/26663 A2	06/03/1999	WIPO			Yes No
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FOURTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 1530.0060004/EKS/EJH/PAC APPLICATION NO. 09/557,907

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FIRST NAMED INVENTOR

Horton et al.

FILING DATE April 21, 2000 ART UNIT 1632

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	AR	43	Brunda, M.J., et al., "Antitumor and Antimetastatic Activity of Interleukin 12 against Murine Tumors, Exp. Med. 178:1223-1230, The Rockefeller University Press (1993)							
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	АТ	Desnick, R.J. and Schuchman, E.H., "Gene therapy for genetic diseases," <i>Acta Paediatr. Jpn. 40</i> :191-203, Blackwell Scientific (June 1998)								
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FOURTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 1530.0060004/EKS/EJH/PAC APPLICATION NO. 09/557,907

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FIRST NAMED INVENTOR

Horton et al.

FILING DATE April 21, 2000 ART UNIT 1632

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	AR	44	Hersh, E.M., and	Stopeck, A.T.,	"Advances in the Biological Tr 23-2629, American Associatio	nerapy and C	Gene Therapy Research (D	of Malignant ecember 1997)
	AS	44	Irvine, K.R., et al., Established Pulmo Immunologists (Ja	onary Metasta	hancement of DNA Immunizati ses," <i>J. Immunol. 156</i> :238-245	on Leads to , The Americ	Effective Trea	atment of on of
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FOURTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. APPLICATION NO. 1530.0060004/EKS/EJH/PAC 09/557,907 FIRST NAMED INVENTOR

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Horton et al.

FILING DATE **ART UNIT** April 21, 2000 1632

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FOURTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 1530.0060004/EKS/EJH/PAC APPLICATION NO. 09/557,907

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FIRST NAMED INVENTOR

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:	AS	<u>46</u>	Sun, W.H., et al., "In vivo cytokine gene transfer by gene gun reduces tumor growth in mice," Proc. Natl. Acad. Sci. USA 92:2889-2893, National Academy of Sciences (1995)							
	AT	46	Establishment a	Tan, J., et al., "Injection of Complementary DNA Encoding Interleukin-12 Inhibits Tumor Establishment at a Distant Site in a Murine Renal Carcinoma Model," Canc. Res. 56:3399-3403, American Association for Cancer Research (August 1996)						
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FOURTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

APPLICATION NO. 09/557,907 ATTY. DOCKET NO. 1530.0060004/EKS/EJH/PAC FIRST NAMED INVENTOR

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Horton et al. FILING DATE April 21, 2000

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